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Exhibit R-2, RDT&E Budget Item Justification: PB 2012 Office of Secretary Of Defense **DATE:** February 2011

APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE							
0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 6: <i>RDT&E Management Support</i>				PE 0303169D8Z: <i>IT Rapid Acquisition</i>							
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
Total Program Element	4.507	5.135	4.288	-	4.288	4.270	4.362	4.412	4.446	Continuing	Continuing
169: <i>IT Rapid Acquisition</i>	4.507	5.135	4.288	-	4.288	4.270	4.362	4.412	4.446	Continuing	Continuing
Quantity of RDT&E Articles											

A. Mission Description and Budget Item Justification

The Department must rapidly transform its processes in order to better support the agile warfighter. This PE is dedicated to Rapid Acquisition Incentives – Net Centricity (RAI-NC) which serve DoD by providing RDT&E proof-of-concept early implementation of key initiatives targeted at advancing and moving the Mission Areas of DoD towards Net Centricity. For example, a coherent and timely transition across DoD Enterprise networks and infrastructure to the next generation of the Internet Protocol, IP version 6 (IPv6) is critical to leveraging the power of information by the business and warfighting mission areas through net-centric operations/warfare. The PE permits accelerating domain support processes thru rapid proof of concept development and early implementation.

RAI-NC provides funding for Net Centric initiatives that directly support and facilitate the transformation of the DoD enterprise. This effort is consistent with the Department's strategic goals to: enable net-centric operations and warfare, reduce costs; improve efficiency; increase effectiveness by improving the efficiency and effectiveness of process redesign; business systems modernization; strategic sourcing; infrastructure reductions; and optimal-sized inventories. The objective of RAI-NC is to accelerate DoD's net centric transformation in support of the warfighter. Fully achieving net-centricity requires the ubiquity, mobility, security and performance achievable through implementation of the value added features of IPv6. The scope of Rapid Acquisition Incentives – Net Centricity encompasses defense policies, processes, people, technologies and systems that guide, perform or support aspects of warfighter support processes within the Department. Each RAI-NC initiative provides proof of concept sustainability, as well as the scalability necessary for Domain enterprise wide implementation that will allow end-to end accessibility to net-centric based decision-making information. Successful implementation will result in more reliable, accurate and timely net centric management information upon which managers can make more effective business decisions in a timely manner for the Department.

RAI-NC enables the acceleration of DoD efforts to implement network centric operational environments while providing a secure, flexible, reliable, affordable, integrated network to achieve high effectiveness in joint and combined operations. This program employs RDT&E funds to plan, develop, prototype and oversee proof of concept initiatives. Successful initiatives with supporting business cases demonstrating the achieved goals and outcomes and mission area support will be allowed to enter full deployment. This program is funded under BA-6, Management Support because it includes studies and analyses in support of R&D efforts.

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 BA 6: *RDT&E Management Support*

R-1 ITEM NOMENCLATURE

PE 0303169D8Z: *IT Rapid Acquisition*

B. Program Change Summary (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Previous President's Budget	4.630	5.135	5.239	-	5.239
Current President's Budget	4.507	5.135	4.288	-	4.288
Total Adjustments	-0.123	-	-0.951	-	-0.951
• Congressional General Reductions		-			
• Congressional Directed Reductions		-			
• Congressional Rescissions	-	-			
• Congressional Adds		-			
• Congressional Directed Transfers		-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Program Adjustments	-0.123	-	-	-	-
• OSD Studies Contracts Efficiency	-	-	-0.414	-	-0.414
• DoD Service Support Contracts Efficiency	-	-	-0.272	-	-0.272
• Economic Assumptions	-	-	-0.006	-	-0.006
• NII Contractor Efficiency	-	-	-0.259	-	-0.259

Change Summary Explanation

FY 2010: Program adjustment -0.123 million.

FY 2011: No change.

FY 2012: Economic Assumptions -0.006 million, OSD Study contracts efficiency 0.414 million, NII Contractor Efficiency reduction -0.259 million, DoD Service Support Contracts efficiency -0.272 million.

Studies contracts efficiencies will be realized by reducing the number of studies that we participate in while still supporting enterprise-wide information technology goals critical to DoD Mission.

Service Support Contract efficiencies will be realized by reducing the reliance on DoD Service Support Contractors by utilizing in-house government support in a constrained personnel and resource environment.

NII reduction to contractor staff efficiencies will be realized by continuing to provide policy, guidance, program oversight, and resource management for command and control (C2), communications, spectrum, information assurance, and Information Technology programs with significantly less contractor support.

Economic Assumptions will be realized by reducing our reliance on contractors while still achieving OASD(NII)/DoD CIO goals and objectives while in a constrained personnel and resource environment.

C. Accomplishments/Planned Programs (\$ in Millions)

	FY 2010	FY 2011	FY 2012
Title: IT Rapid Acquisition Plans and Accomplishments	4.507	5.135	4.288

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APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 6: <i>RDT&E Management Support</i>		R-1 ITEM NOMENCLATURE PE 0303169D8Z: <i>IT Rapid Acquisition</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2010	FY 2011	FY 2012
<i>FY 2010 Accomplishments:</i> <ul style="list-style-type: none"> • Monitored/evaluated implementation efforts of IPv6. • Ensured IPv6 transition efforts are synchronized across all DoD Components by conducting program reviews and review of implementation plans. • Incorporated into policy guidance, new direction and OMB goals regarding the management and implementation of IPv6. • Held compliance sessions to address common and unique issues requiring the DoD CIO's intervention to revise policy, provide additional guidance or to surface technological concerns with vendors or OMB, that are hampering execution. • Updated transition plan and policy to accommodate new guidance and technologies. • Continued to work with DISA in providing governance and oversight of the Department's implementation of IPv6, including the review of products, identifying critical issues and making recommendations for solutions. • Continued to provide oversight and guidance to DISA in developing and refining the NIPRNET/SIPRNET infrastructure to achieve full IPv6 capability. • Oversaw implementation of UCR 2008 document • Published and oversaw implementation of UCR 2010 document • Published and oversaw implementation of Universal Capabilities (UC) DoDI • Facilitated DoD UC Industry Advisory Council (IAC) Conferences • Developed DoD UC IAC Charter • Established DoD UC Steering Group (UCSG), and develop a UCSG Charter • Continued industry and government outreach efforts to facilitate development and implementation of UC policy • Incorporated a UC distributed test concept, to revise the UC test and certification process, into the draft UC DoDI • Oversaw development of IPv6 Milestone Objective 3 (MO3) Information Assurance (IA) guidance • Oversaw completion of the DoD IPv6 Joint Staff Operational Criteria T&E • Collaborated with OMB and follow OMB IPv6 Planning Guide/Roadmap document to guide United States Government (USG) IPv6 implementation • Provided DoD IPv6 implementation status updates to OMB for the FY09 Enterprise Architecture Assessment • Continued ongoing interoperability and supportability process improvement to create an environment for an emerging DoD NC interoperability strategy, policy, process, tools/data, and metrics into improved environment for all tiers of interoperability accountability in the DoD • Unified Capabilities (UC) DoD Instruction – drafted, coordinated, finalized, and issued DoDI 8100.01, DoD Unified Capabilities • DoD IPv6 MO3 IA Guidance document – drafted, coordinated, finalized, and issued document, co-signed by the DoD Deputy CIO and DNI CIO • DoD UC Master Plan (MP) – drafted, coordinated, finalized, and issued plan signed by DoD Deputy CIO 				

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C. Accomplishments/Planned Programs (\$ in Millions)		FY 2010	FY 2011	FY 2012
<ul style="list-style-type: none"> • CJCSI 6211 – collaborated with JS/J6 to incorporate UC policy, responsibilities, procedures, and processes in CJCSI 6211 revision • Developed IT Infrastructure Reference Architecture (ITIOA) which is based on the Defense IT Infrastructure Library (ITIL) Catalog and provides the main basis for the Theater Synchronization Plans • Developed Draft Theater Synchronization Plans that build upon the Defense ITIL Catalog. The TSPs are the COCOMs transition plans which describe how they will move their current IT (As Is) to their near future (To Be) state • Collaborated with the National Security Agency (NSA) and the Intelligence Community (IC) to obtain Internet Protocol Version 6 (IPv6) Information Assurance (IA) and security guidance documents. • Collaborated with DoD and Federal government agencies on IPv6 Test and Evaluation (T&E) and standards issues; and monitored the National Institute for Standards and Technology (NIST) activities, reference DoD and NIST IPv6 test and certification processes and the Federal Acquisition Regulation (FAR) IPv6 requirements language. • Provided oversight for issuance of the DoD Unified Capabilities Requirements (UCR) 2008, Change 1 document and implementation by DoD Components and the vendor community, and collaborated with the Defense Information Systems Agency (DISA) on the draft DoD UCR 2008, Change 2 document. • Developed, formally coordinated, and processed the draft DoD Instruction (DoDI) 8100.ee, “DoD Unified Capabilities (UC),” to develop UC policy, responsibilities, procedures, and processes. • Incorporated a DoD UC distributed test concept, to revise the UC test and certification process, into the draft UC DoDI. • Submitted and monitored DoD UC language and performance metrics for incorporation in the Net-Centric Capability Portfolio Management (NC CPM) Strategic Plan. • Continued industry and government outreach efforts to facilitate development and implementation of DoD UC policy and processes. • Continued ongoing interoperability and supportability process improvement to create an environment for an emerging DoD NC interoperability strategy, policy, process, tools/data, and metrics into improved environment for all tiers of interoperability accountability in the DoD. • Developed IT Infrastructure Reference Architecture (ITIOA) which provided guidance on optimizing DoD IT infrastructure by taking a service delivery-based approach. It identifies a common set of IT infrastructure services and their optimal level of service delivery, forming a framework for IT consolidation and provided the foundation for the Theater Synchronization Plans. • Developed Draft Theater Synchronization Plans for PACOM. The TSPs are the COCOMs transition plans which) establishes the conditions necessary to successfully consolidate COCOM’s IT infrastructure in alignment with combatant command requirements and in sync with the DoD IT Consolidation Roadmap. • Produced preliminary DoD Controlled Unclassified Information (CUI) Transition Plan to facilitate the transformation of DoD CUI to make information mobile. 				

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C. Accomplishments/Planned Programs (\$ in Millions)		FY 2010	FY 2011	FY 2012
<ul style="list-style-type: none"> • Provided DoD contributions to Federal CUI effort leading to publication of CUI Executive Order. <p>FY 2011 Plans:</p> <ul style="list-style-type: none"> • Monitor and evaluate implementation efforts of IPv6. • Ensured IPv6 transition efforts were synchronized across all DoD Components by conducting program reviews and review of implementation plans. • Incorporate into policy guidance, new direction and OMB goals regarding the management and implementation of IPv6. • Update transition plan and policy to accommodate new guidance and technologies. • Continue to Work with DISA in providing governance and oversight of the Department's implementation of IPv6, including the review of products, identifying critical issues and making recommendations for solutions. • Continue to provide oversight and guidance to DISA in developing and refining the NIPRNET/SIPRNET infrastructure to achieve full IPv6 capability. • Continue development of the IT Infrastructure Reference Architecture • Continue developed of the Theater Synchronization Plans (TSP) that builds upon the Defense ITIL Catalog. • Collaborate with the NSA and the IC to obtain IPv6 IA and security guidance documents. • Monitor the DoD IPv6 Address Plan implementation to allocate IPv6 address space to DoD Components and the DNI. • Monitor DoD UC and IPv6 implementation funding options. • Facilitate IPv6 implementation collaboration efforts between the DoD and the DNI, and participate in IC-DoD IPv6 Collaboration Team and IC NISG meetings. • Collaborate with DoD and Federal agencies on IPv6 T&E and standards issues; and collaborate with NIST, reference DoD and NIST IPv6 test and certification processes. • Process the draft UC DoDI for Acting ASD(NII)/DoD CIO signature (signed on 3 December 2010 and posted on the DoD Directives Portal on 9 December 2010); and provide oversight for implementation of DoD UC policy, responsibilities, procedures, and processes throughout DoD. • Collaborate with DISA to finalize the DoD UC MP document, and prepare and process the package for DoD Deputy CIO signature. • Monitor the DoD UC language and performance metrics submissions for incorporation in the NC CPM Strategic Plan. • Address the U.S. Government (USG) Office of Management and Budget (OMB) FY 2012 and FY 2014 mandates for all Federal agencies to expedite operational deployment and use of IPv6; facilitate meetings of key DoD IPv6 stakeholder representatives to discuss status of IPv6 implementation within DoD and way-ahead for addressing OMB mandates; and meet with the Federal IPv6 Task Force and OMB representatives to discuss OMB goals for IPv6 deployment and use and DoD's plans for achieving those goals. 				

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C. Accomplishments/Planned Programs (\$ in Millions)		FY 2010	FY 2011	FY 2012
<ul style="list-style-type: none"> Continue to govern DoD UC implementation through a DoD CIO Executive Board forum, the UC SG, the UC IAC, and the IC NISG. Continue industry and government outreach efforts to facilitate development and implementation of DoD UC policy and processes. Continue development of the IT Infrastructure Reference Architecture and align the ITI ORA with Defense ITIL V2.0 and with the DoD IT Consolidation Roadmap. Expand the development of the Theater Synchronization Plans (TSP) to support additional COCOMs. Produce CUI category position in concert with USDI for inclusion in emerging Federal standards and policies. Produce new techniques and tools to support implementation and use of CUI markings within the DoD Data Strategy for metadata marking and use in attribute based access control for Identity, Credential and Access Management. <p>FY 2012 Plans:</p> <ul style="list-style-type: none"> Implement UC (integration of voice, video, and/or data services) DoD-wide to institutionalize UC policy (DoDI), planning guidelines (UC MP), and requirements (UCR 2008) Govern DoD UC implementation through the DoD CIO EB, UC Steering Group (UC SG), UC Industry Advisory Council (UC IAC) Define future UC requirements for inclusion in UCR 2010 Provide overarching guidance, direction, and oversight for DoD UCR 2010 document development Oversee and direct implementation of distributed test concept for UC interoperability and IA test and certification Collaborate with industry to define future UC requirements (UCR 2010) Oversee/direct/facilitate UCR 2010 document development to further refine UC functional, performance, and technical requirements Govern UC through the DoD CIO EB, UC SG, UC IAC, and IC NISG Facilitate implementation of UC distributed test concept for test and certification of UC products Continue to monitor development of the IT Infrastructure Reference Architecture Continue to oversee the Theater Synchronization Plans (TSP) Collaborate with DISA and industry to define future UC requirements; and provide overarching guidance, direction, and oversight for DISA's UCR 2012 document development to further refine UC functional, performance, and technical requirements. Meet the USG OMB FY 2012 mandate to expedite operational deployment and use of IPv6; facilitate meetings of key DoD IPv6 stakeholder representatives to discuss way-ahead for addressing the OMB FY 2014 mandate; and continue to meet with the Federal IPv6 Task Force and OMB representatives to discuss OMB goals for IPv6 deployment and use and DoD's plans for achieving those goals. Oversee the implementation of the ITIORA for the Joint bases and expand the IT Infrastructure Reference Architecture to support installations across DoD. 				

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<ul style="list-style-type: none"> Continue to oversee the Theater Synchronization Plans (TSP) and provide support to additional COCOMs. Produce DoD CUI Transition Plan based upon NARA policy and emerging guidance on standards. Implement new techniques and tools to support implementation and use of CUI markings within the DoD Data Strategy for metadata marking and use in attribute based access control for Identity, Credential and Access Management. 				
Accomplishments/Planned Programs Subtotals		4.507	5.135	4.288
D. Other Program Funding Summary (\$ in Millions) N/A				
E. Acquisition Strategy N/A				
F. Performance Metrics <ul style="list-style-type: none"> - Timely development and issuance of policy, guidance, processes, and technologies to build, populate, govern, operate, and protect the Network. - Development of plans and implementation activities for net centric data and IPv6 transformation capabilities. 				

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